```
=> fil reg
FILE 'REGISTRY' ENTERED AT 12:58:32 ON 16 MAY 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   15 MAY 2005  HIGHEST RN 850445-20-4
DICTIONARY FILE UPDATES:  15 MAY 2005  HIGHEST RN 850445-20-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

*************************************************************************
*                                                                       *
* The CA roles and document type information have been removed from     *
* the IDE default display format and the ED field has been added,       *
* effective March 20, 2005.  A new display format, IDERL, is now        *
* available and contains the CA role and document type information.     *
*                                                                       *
*************************************************************************

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html
```
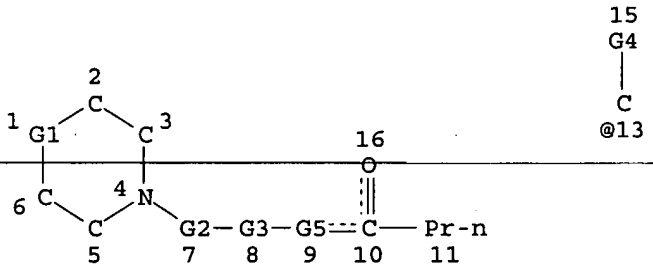
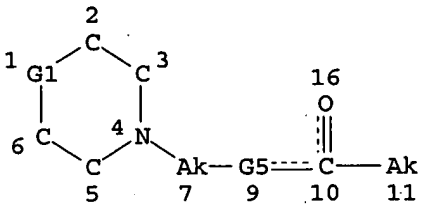

```
=> d sta que l23
L8              STR
```




```
VAR G1=O/N
REP G2=(1-5) CH2
VAR G3=C/13
VAR G4=ME/ET
VAR G5=O/N
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC   1
NUMBER OF NODES IS  14

STEREO ATTRIBUTES: NONE
```

L10 STR



VAR G1=O/N
VAR G5=O/N
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

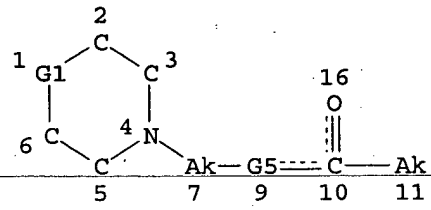
GRAPH ATTRIBUTES:
RSPEC 4
NUMBER OF NODES IS 11

STEREO ATTRIBUTES: NONE

L12	882636	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	(46.402.1 OR 46.383.1)/RID
L13	953133	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	(NC2OC2 OR NC2NC2)/ES
L14	953133	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	(L12 OR L13)
L16		SCR	1839			
L18	2121	SEA	FILE=REGISTRY	SUB=L14	SSS FUL	L10 NOT L16
L19	520	SEA	FILE=REGISTRY	SUB=L18	CSS FUL	L10
L20	266	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	L19 NOT PMS/CI
L23	9	SEA	FILE=REGISTRY	SUB=L20	SSS FUL	L8

100.0% PROCESSED 178 ITERATIONS 9 ANSWERS
SEARCH TIME: 00.00.01

=> d sta que l27
L10 STR



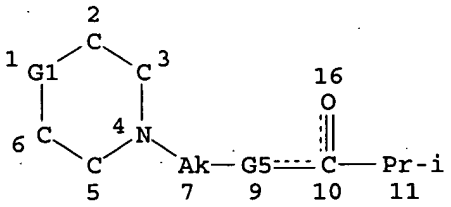
VAR G1=O/N
VAR G5=O/N
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC 4
NUMBER OF NODES IS 11

STEREO ATTRIBUTES: NONE

L12	882636	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	(46.402.1 OR 46.383.1)/RID
L13	953133	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	(NC2OC2 OR NC2NC2)/ES
L14	953133	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	(L12 OR L13)
L16		SCR	1839			
L18	2121	SEA	FILE=REGISTRY	SUB=L14	SSS FUL	L10 NOT L16
L19	520	SEA	FILE=REGISTRY	SUB=L18	CSS FUL	L10

```
L20          266 SEA FILE=REGISTRY ABB=ON  PLU=ON  L19 NOT PMS/CI
L25              STR
```



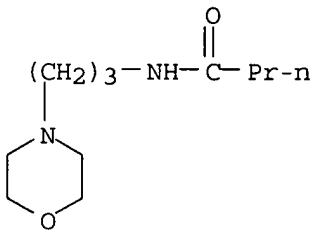

```
VAR G1=O/N
VAR G5=O/N
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC   4
NUMBER OF NODES IS  11

STEREO ATTRIBUTES: NONE
L26            7 SEA FILE=REGISTRY SUB=L20 SSS FUL L25
L27            6 SEA FILE=REGISTRY ABB=ON  PLU=ON  L26 NOT BUTENYL


=> d his

     (FILE 'HOME' ENTERED AT 12:41:24 ON 16 MAY 2005)
                SET COST OFF

     FILE 'HCAPLUS' ENTERED AT 12:41:34 ON 16 MAY 2005
L1             1 S (US20040127564 OR US6664394 OR US20020143056 OR US6407107)/PN
                 E GILBERT K/AU
L2            84 S E3-E12,E27-E30
                 E FIFER E/AU
L3            36 S E4-E6
                 SEL RN L1

     FILE 'REGISTRY' ENTERED AT 12:44:15 ON 16 MAY 2005
L4            15 S E1-E15
L5             9 S L4 AND (NC2OC2 OR NC2NC2)/ES
L6             5 S L5 AND (C6H13NO2 OR C6H14N2O OR C14H26N2O3)
L7             4 S L5 NOT L6
L8               STR
L9             3 S L8
L10              STR L8
L11            1 S L10 CSS SAM
L12       882636 S (46.402.1 OR 46.383.1)/RID
L13       953133 S (NC2OC2 OR NC2NC2)/ES
L14       953133 S L12,L13
L15           28 S L10 SAM SUB=L14
L16              SCR 1839
L17           50 S L10 NOT L16 SAM SUB=L14
L18         2121 S L10 NOT L16 FUL SUB=L14
                 SAV L18 SHIAO734/A
L19          520 S L10 CSS FUL SUB=L18
                 SAV L19 SHIAO734A/A
L20          266 S L19 NOT PMS/CI
L21              STR L10
L22          181 S L21 FUL SUB=L20
                 SAV L22 SHIAO734B/A
                 DEL SHIAO734B/A
```

ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1973:505217 CAPLUS
DOCUMENT NUMBER: 79:105217
TITLE: Synthesis of morpholine and homomorpholine derivatives with amide functions as potential pharmacologically active compounds
AUTHOR(S): Kotelko, Barbara; Glinka, Ryszard
CORPORATE SOURCE: Med. Acad., Lodz, Pol.
SOURCE: Acta Poloniae Pharmaceutica (1973), 30(2), 135-43
CODEN: APPHAX; ISSN: 0001-6837
DOCUMENT TYPE: Journal
LANGUAGE: Polish
GI For diagram(s), see printed CA Issue.
AB Eleven I (n = 3, R = Me, Et, Pr; n = 2, R = Ph, PhCH2, PhOCH2, 3,5-Cl2C6H3, 4-ClC6H4OCH2, 2,4-Cl2C6H3OCH2, 4- and 3-pyridyl) were prepared in 20-38% yield by heating the corresponding RCONH(CH2)nNH2 (obtained from RCO2CH2CN and 3-4 moles (H2NCH2)2 or H2N(CH2)3NH2 in MeOH at room temperature) 1.2 moles (ClCH2CH2)2O, and 2 moles Na2CO3 in Tetralin at 160-70°. A similar reaction with Cl(CH2)2O(CH2)3Cl was used to prepare 13 II (n and R as above except n = 2, R = Ph, and, in addition, n = 3, R = Ph; n = 2, R = Ph2CH; and n = 2, R = Ph2C(OH) in 18-28% yields.
IT **49808-41-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 49808-41-5 CAPLUS
CN Butanamide, N-[3-(4-morpholinyl)propyl]-, compd. with 2,4,6-trinitrophenol (9CI) (CA INDEX NAME)

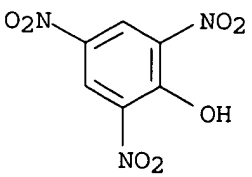
CM 1

CRN 49808-87-9
CMF C11 H22 N2 O2

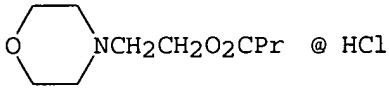


CM 2

CRN 88-89-1
CMF C6 H3 N3 O7



L10 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1979:197759 CAPLUS
DOCUMENT NUMBER: 90:197759
TITLE: Study of compounds with potential antiparasitic activity. I. New aliphatic esters of N-ethanolmorpholine
AUTHOR(S): Kadlubowski, Roscislaw
CORPORATE SOURCE: Inst. Biol. Morfol., Akad. Med., Lodz, Pol.
SOURCE: Wiadomosci Parazytologiczne (1978), 24(5), 575-9
CODEN: WIPAAZ; ISSN: 0043-5163
DOCUMENT TYPE: Journal
LANGUAGE: Polish
GI

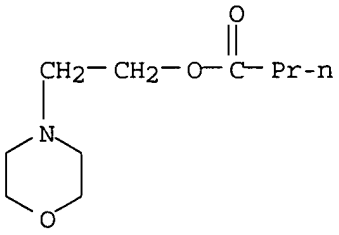


I

AB Eight aliphatic esters of N-ethanolmorpholine had greater in vivo anthelmintic properties than piperazine adipate and weaker trichomonacidal properties than phenol or metronidazole. N-ethanolmorpholine butyrate-HCl (I) [**23866-07-1**] was most active anthelmintic .

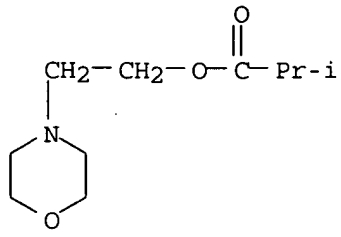
IT **23866-07-1 23866-08-2**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(anthelmintic and trichomonacidal activity of)

RN 23866-07-1 CAPLUS
CN Butanoic acid, 2-(4-morpholinyl)ethyl ester, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 23866-08-2 CAPLUS
CN Propanoic acid, 2-methyl-, 2-(4-morpholinyl)ethyl ester, hydrochloride (9CI) (CA INDEX NAME)



● HCl